

CLAIMS

1. A brazing sheet which is produced by forming a powder of a brazing filler metal composition into a sheet shape.

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2. The brazing sheet according to Claim 1,
wherein the powder of the brazing filler metal composition is formed into the sheet shape by plastic working or by binder forming.

10 3. The brazing sheet according to Claim 2,
wherein a method for the plastic working is powder roll compaction.

4. The brazing sheet according to Claim 3,
wherein the powder of the brazing filler metal composition comprises a mixture
15 of at least two or more types of powders which are mixed in a predetermined proportion
of weight to have a composition of a brazing filler metal.

5. The brazing sheet according to Claim 4,
wherein the powder of the brazing filler metal composition is not completely
20 alloyed and is in a mixed state.

6. The brazing sheet according to Claim 5,
wherein the powder of the brazing filler metal composition is mainly composed
of nickel.

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7. The brazing sheet according to Claim 5,
wherein the powder of the brazing filler metal composition is mainly composed
of aluminum.

5 8. The brazing sheet according to Claim 7, comprising 10 to 15 wt% of silicon.

9. The brazing sheet according to Claim 5,
wherein the powder of the brazing filler metal composition is mainly composed
of copper.

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10. The brazing sheet according to Claim 9, comprising 4 to 8wt% of phosphorus.

11. A method of producing a brazing sheet, comprising:
rolling a powder of a brazing filler metal composition; and thereby
15 forming the powder into a sheet shape.

12. The method of producing a brazing sheet according to Claim 11,
wherein the powder of the brazing filler metal composition is formed into the
sheet shape by plastic working or by binder forming.

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13. The method of producing a brazing sheet according to Claim 12,
wherein a method for the plastic working is powder roll compaction.

14. The method of producing a brazing sheet according to Claim 13,
25 wherein the powder of the brazing filler metal composition is a mixture of at

least two or more types of powders which are mixed in a predetermined proportion of weight to have a composition of a brazing filler metal.

15. The method of producing a brazing sheet according to Claim 14,

5 wherein the powder of the brazing filler metal composition is not completely alloyed and is in a mixed state.

16. The method of producing a brazing sheet according to Claim 15,

10 wherein the powder of the brazing filler metal composition is mainly composed of nickel.

17. The method of producing a brazing sheet according to Claim 15,

wherein the powder of the brazing filler metal composition is mainly composed of aluminum.

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18. The method of producing a brazing sheet according to Claim 17,

wherein 10 to 15 wt% of silicon is contained in the brazing sheet.

19. The method of producing a brazing sheet according to Claim 15,

20 wherein the powder of the brazing filler metal composition is mainly composed of copper.

20. The method of producing a brazing sheet according to Claim 19,

wherein 4 to 8 wt% of phosphorus is contained in the brazing sheet

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